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p. 260-266.

DESCRIPTORS: \*Aluminum alloys, \*Welding, \*Flash  
welds, Welded joints, \*Electric welding, Transparent  
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(Metallurgy, TT, v. 9, no. 1)

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Bonded joints, Cements, Tensile properties, Stresses,  
Corrosion, Fatigue (Mechanics), Sheets, Metal plates.

The article affords a survey of strength research of  
bonded metal joints, based on a thorough review of the  
pertinent literature. Furthermore, a series of ex-  
perimental results dealing with cemented metal joints  
has been discussed. Thus influence of overlap ratio,  
sigma  $\sigma_{0.2}$  limit of the sheet metal material, thickness  
of sheet, nature of surface of sheet metal, and width of  
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DESCRIPTORS: \*Aluminum, \*Electrical conductance.

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Significance of the Notched-bar Impact  
Bending Test for the Testing of Al and Al  
Alloys, by H. Wolf, G. Jacoby.  
GERMAN, per, Aluminium, Vol. 36, No 4, 1960,  
pp 186-192.  
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Contrôle par ultrasons de toles d'aluminium et de  
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W. Lehfelddt, 13 pp.

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1960, pp 195-198.

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CEA-A-1077

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Hahn, G. and Moldenhauer, W.  
INFLUENCE OF TEMPERATURE AND CONCENTRA-  
TION OF THE ELECTROLYTE ON THE FORMATION  
OF ANODIC FILMS. [1962] 7p. 11 refs.  
Order from SLA \$1.10

63-10857

Trans. of Aluminium (West Germany) 1960 [v. 36]  
no. 5, p. 265-267.

DESCRIPTORS: \*Aluminum, \*Anodes, Coatings, Films,  
Oxides, Production, \*Electrolytes, Temperature

(Metallurgy--Light Metals, TT, v. 10, no. 1)

63-10857

I. Hahn, G.  
II. Moldenhauer, W.

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Recent Developments in the Field of High-Gloss  
Aluminum, by E. Tragner, G. Kappel, 17 pp.  
GERMAN, per, Aluminium (West Germany), Vol 36, No 5,  
1960, pp 267-271.  
ERDL-S-1852-66  
AD-635 649

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All-Aluminum Radiators, by H. W. Lunnath, 8 pp.  
GERMAN, per, Aluminum (West Germany), Vol 36, No 6,  
1960, pp 337-338.  
EHDL-E-1850-66  
AD-635 646

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Sci -  
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61-10547

WELDING OF ALUMINIUM BY ULTRASONICS. [1960]  
3p. (2 figs. omitted).  
Order from SLA ml\$1.80, ph\$1.80 61-10547

Trans. of Aluminium (Germany) 1960, v. 36, no. 6,  
p. 339.

The modus operandi is described of the ultrasonic  
machine manufactured by Dr. Lehfelddt and Co.,  
Heppenheim, for welding aluminum foil and thin  
aluminum wire, which was exhibited at the 1960  
German Industrial Fair in Hannover.

1. Aluminum wire--Welding
2. Aluminum foils--Welding
3. Ultrasonics--Applications

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(Machinery--Manufacturing, TT, v. 5, no. 7)

On the Formation of Not Completely Wear-Resistant  
Coatings on the Anodic Oxide Film When Adding Certain  
Dyes to the Sealing Bath, by F. Molic, 15 pp.  
GERMAN, per, Aluminium (West Germany, Vol 36, 1960,  
pp 457-461.  
REF ID: A1855-66  
AD-635 648

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Herrmann, E.  
ALUMINUM WIRE BY THE PROPERZI CONTINUOUS  
CASTING AND ROLLING PROCESS. [1961] 20p. (refs.  
18 figs, omitted).  
Order from SLA \$1.60

61-20494

Trans. of Aluminium (Germany) 1960 [v. 36] Oct,  
p. 568-579.

DESCRIPTORS: \*Aluminum wire, Casting, Rolling  
mills, Manufacturing methods, Wire.

(Metallurgy--Light Metals, TT, v. 7, no. 7)

1. Title: Properzi method  
1. Herrmann, E.

Office of Technical Services

The Electrothermal Production of Aluminum in the  
Light of Patent Literature, by E. Herrmann.

GERMAN, per, Aluminium, Vol XXXVII, No 3, 1961,  
pp 143-149; No 4, Apr 1961, pp 215-221.

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Sci - Engr

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63-10166

Stroem, B. and Aronson, P. O.  
FACTORS INFLUENCING THE COLOR UNIFORMITY  
OF ANODIZED ALUMINUM BUILDING PARTS. Paper  
presented at Internationale Leichtmetall Tagung (Inter-  
national Light Metals Conference) (no. 4) Leoben, 1961.  
[1962] 5p. (figs. omitted) 1 ref.  
Order from SLA \$1.10

63-10166

Trans. of Aluminium (West Germany) 1961 [v. 37]  
p. 204-205.

DESCRIPTORS: \*Aluminum, \*Buildings, \*Panels  
(Structural), Colors, Electrodeposition, Oxides, Films,  
Reflection, Brightness, Coatings

(Metallurgy--Light Metals, TT, v. 10, no. 4)

- I. Title: Anodic coating
- I. Stroem, B.
- II. Aronson, P. O.
- III. Title: Internationale...
- IV. Title: International...

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Electrolytic Refining of Aluminum Using an  
Organocaluminum Electrolyte, by A. Boehm,  
H. Ginsberg, W. Reuter.

GERMAN, per, Aluminium, Vol XXXVII, No 5,  
1961, pp 267-273.

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TNT 157 No 470

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Sci - M/M

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Domony, A.  
CONCERNING STRUCTURE OF BARRIER LAYERS  
PRODUCED ON ALUMINIUM UNDER THE INFLUENCE  
OF HOT WATER (AT 80-100°C.). 27 Feb 62, 5p.  
(refs-omitted)

Order from SLA \$1.10

62-16226

Trans. of Aluminium (West Germany) 1961, v. 37, no. 6,  
p. 351-352.

DESCRIPTORS: \*Aluminum compounds, \*Hydroxides,  
\*Aluminum alloys, \*Powder metallurgy, Transforma-  
tions, Surfaces, Microstructure, Spectrographic analy-  
sis, Transition temperature, \*Corrosion inhibition,  
Coatings, \*Corrosion, Water.

(Metallurgy--Corrosion, TT, v. 9, no. 4)

62-16226

1. Title: Böhmite  
1. Domony, A.

Office of Technical Services